

MDTP after 35 Years

What's Next?

CAHSEE Preparatory Diagnostic Test

- Develop a **diagnostic** test to identify students' misunderstandings to help teachers more effectively teach concepts and skills that are tested on the CAHSEE
- Develop a suite of written response items to supplement the diagnostic test
- Rollout in fall 2012 through two statewide meetings

New Calculus Readiness Test

- CR45A12 should be released this fall
- Updates CR40A97 and CR55A97 tests
- Includes more trig items

Common Core Standards

- "Alignment" with MDTP tests
- Development of concept maps relating MDTP topics to Common Core standards
- This summer, MDTP will review SMARTER Balanced test specifications and sample items

CAPP Algebra & Formative Assessment Project

- CAPP has awarded four districts grants under the Algebra & Formative Assessment Project
- Supports teachers/schools in Grades 6-9 to prepare students for success in Algebra I when taken the first time
- Improving teacher practice through use of formative assessment and better articulation between middle school and high school around use of data

Geometry and CCSM

- The Common Core Math Standards uses a transformation perspective to present geometry. Geometry students will be expected to experiment, explain, prove, visualize, understand, derive, and translate between different representations. This expanded view of student proficiencies will require that teachers have greater flexibility and deeper content knowledge.

Definition: Let L be a line in the plane and let P be any point. The reflection of P in L is the point P' such that L is the perpendicular bisector of segment PP' . The transformation that sends P to P' is called the **reflection** in line L .

Definition: Let A be a point on the line and let P be any point. The reflection of P in A is the point P' such that A is the midpoint of interval PP' . The transformation that sends P to P' is called the **reflection** in point A .

Definition: Let Π be a plane in three-dimensional space and let P be any point...

Question: What language should we use to complete the definition of reflection as a transformation of three-dimensional space?

MDTP Written Response

An example of an item that may eventually be field tested:

On the number line, point P is located at 2 and point Q is located at 0.

- Point A is located at -5. Locate the reflection of A in P on the number line. Label this point B .
- Locate the reflection of B in Q on the number line. Label this point C . What is the distance from point A to point C ?
- Point X is located at x on the number line. If Y is the reflection of X in P , describe the location of Y in terms of x .
- Point Y is now reflected in Q . Describe the location of this point in terms of x .

Question: At what readiness level do you see this item being used (PR, AR, GR, SR, MR, CR)? Is it worded appropriately for that level? (cf. GR96LINE)